

New Mexico - Grants Field Office
FY 2005 Ranking Criteria Worksheet - WATER RESOURCES

Applicant _____ Farm No. _____ Tract No. _____ CMS Field No's. _____ Date _____
Tribal Land _____ Non-Tribal Land _____ Preliminary Rating _____ Final Rating _____

1. Water Quantity - Potential Points 140

Irrigation Efficiency - Use FIRS to Evaluate			Potential Points	Benchmark Points	After Points
% Efficiency	% of Area in Contract before Treatment	% of Area in Contract After Treatment			
			140		
% efficiency x % of area (before & after) x 2.0 = points earned					
assumption: irr. eff. will not increase by more than 70%					
1. Water Quantity			Total		
() Actual Eff. X % Area Before or After Treatment X Potential Pts. = BM or After			Points		

2. Water Quality - Potential Points 120

A. Surface Water Pollutants - 40 Points

There is a probability that irrigation water containing salt, pesticides, and/or nutrients (or other associated chemicals) is leaching into the ground water. Treatment is needed to prevent these pollutants from contaminating ground water, through leaching.

Distance of Surface Run-Off to Live Water	Points	Benchmark	After
<100 Ft.	40	0	
101 - 500 Ft.	30	0	
501 - 1,320 Ft.	20	0	
1,320 - 2,640 Ft.	10	0	
>2,640 Ft.	5	0	
No Runoff	0	0	
A. Surface Water	Total	0	

B. Ground Water Pollutants - 80 Points

There is a probability that irrigation water containing salt, pesticides, and/or nutrients (or other associated chemicals) is leaching into the ground water. Treatment is needed to prevent these pollutants from contaminating ground water, through leaching and direct return flow into wells. Points to be awarded based on depth of well.

Depth to Water Table	Points	Benchmark	After
1 - 10 Ft or elimination of any direct discharge into ground water.	80	0	
10 - 50 Ft.	60	0	
50 - 100 Ft.	40	0	
>100 Ft.	20	0	
B. Ground Water	Total	0	

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3. Selected Conservation Practice(s) - Potential Points 265

Practices used in this section of the ranking criteria, and intended to be included in the conservation plan of operations, must be cost shared. Higher priority (value) is given to those practices which address multiple resource concerns, are cost effective, and have longer life spans. Practices in this section are grouped, one or all practices may be used.	Potential Points	Percent of Need - To be Installed	Points
Water Quantity (Water Management for Irrigated Land)			
IRRIGATION WATER CONVEYANCE PRACTICES: 428A,430CC,430DD,430EE,430II,430JJ,441,442,587 (3 PTS. EA.)	27		
WATER CONSERVATION PRACTICES: 442,464,466 (3 PTS. EA.)	9		
RIPARIAN AREA ENHANCEMENT PRACTICES: 391,580,657 (2 PTS. EA.)	6		
EROSION CONTROL PRACTICES: 329A,329B,329C,380,382,512,650 (2 PTS. EA.)	14		
Air Quality (Airborne Smoke and Dust)			
IRRIGATION WATER CONVEYANCE PRACTICES: 428A,430CC,430DD,430EE,430II,430JJ,441,442,587 (3 PTS. EA.)	27		
WATER CONSERVATION PRACTICES: 442,464,466 (3 PTS. EA.)	9		
EROSION CONTROL PRACTICES: 329A,329B,329C,380,382,512,650 (2 PTS. EA.)	14		
Animals Habitat (Food and Drinking Water)			
EROSION CONTROL PRACTICES: 329A,329B,329C,380,512,650 (2 PTS. EA.)	14		
WILDLIFE PRACTICES: 516,614,648 (1 PT. EA.)	3		
RIPARIAN AREA ENHANCEMENT PRACTICES: 391,580,657 (2 PTS. EA.)	6		
Soil Erosion (Sheet and Rill and /or Wind Erosion)			
IRRIGATION WATER CONVEYANCE PRACTICES: 428A,430CC,430DD,430EE,430II,430JJ,441,442,587 (3 PTS. EA.)	27		
WATER CONSERVATION PRACTICES: 442,464,466 (3 PTS. EA.)	9		
EROSION CONTROL PRACTICES: 329A,329B,329C,380,382,512,650 (2 PTS. EA.)	14		
Water Quality (Surface Water Contaminants, Suspended Sediment)			
IRRIGATION WATER CONVEYANCE PRACTICES: 428A,430CC,430DD,430EE,430II,430JJ,441,442,587 (3 PTS. EA.)	27		
WILDLIFE PRACTICES: 516,614,648 (1 PT. EA.)	3		
Plants Management (Establishment, Growth, and Harvest)			
IRRIGATION WATER CONVEYANCE PRACTICES: 428A,430CC,430DD,430EE,430II,430JJ,441,442,587 (3 PTS. EA.)	27		
WATER CONSERVATION PRACTICES: 442,464,466 (3 PTS. EA.)	9		
RIPARIAN AREA ENHANCEMENT PRACTICES: 391,580,657 (2 PTS. EA.)	6		
EROSION CONTROL PRACTICES: 329A,329B,329C,380,382,512,650 (2 PTS. EA.)	14		
3. Selected Conservation Practices	Total		

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4. Other Considerations - Potential Points 75

Below are some suggested, not required, criteria. If there are other criteria the D.C. wants to recommend based on LWG advice, please include them here.	Potential Points	Benchmark Points	After Points
A. Threatened and Endangered species are in the area and the contract will enhance habitat for the species.	15	0	
B. Treatment of this land could have a beneficial impact on a 303d listed stream segment.	20	0	
C. Treatment of this land enhances the benefits of an active/planned sec. 319 project.	10	0	
D. Riparian areas will be enhanced in the contracted area.	10	0	
E. Eradicate/prevent infestation of Class A and/or B noxious weeds as designated by NMDA.	10	0	
F. This land unit is within a NMED designated Category I Watershed.	10	0	
4. Other Considerations	Total	0	

Designated Conservationist _____ Date _____ Producer _____ Date _____